

**Summary Information****Permit No:** F00155857-A**Type of Permit:** FILMING**Release Date:** 10/11/2019**Production Company** FF9 PRODUCTIONS LLC**Producer** Clayton Townsend**Insured Company Name** FF9 PRODUCTIONS LLC**Director** Justin Lin

Contact Phone No. 1 310-244-8020

1st AD N/A N/A

Contact Phone No. 2

Production Manager N/A N/A

Fax

Address 100 UNIVERSAL CITY PLAZA
UNIVERSAL CITY, California 91608**FilmL.A. Coordinator** Yulizza Ramirez**Production Title** FF9**Location Manager** Boyd Wilson**Type of Production** Feature

Primary Phone Mobile - 310-254-5598

Secondary Phone

Location Assistant Albert Chi

Primary Phone Mobile - 310-428-5167

Secondary Phone

Fees

Posting 600 \$138.00

Total Permit Fee \$14,037.00

Posting 900 \$207.00

Number of Locations 2

Posting 1200 \$276.00

Posting 1500 \$345.00

Posting Max \$483.00

Notification Charge \$2,639.00

FILMLA NON-REFUNDABLE FILM APPLICATION
FEE \$699.00

LA CITY LANE AND STREET CLOSURE FEE \$312.00

LA CITY DOT SIGN REMOVALS AND ENGINEERS \$8,853.00

LA CITY FIRE DEPARTMENT SPOT CHECK
SURCHARGE \$85.00



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Permit Number F00155857-A
Production Company FF9 PRODUCTIONS LLC
Insured Company FF9 PRODUCTIONS LLC
Production Title FF9

Location Manager Boyd Wilson
Primary Phone Mobile - 310-254-5598
Secondary Phone

Location Address E 4th St., Mateo St - S Clarence St,(Excluding LA River) Los Angeles, CA, 90013

Location Name 4th ST BRIDGE

Location Type Bridge

Prep Dates 10/9/2019 - 10/13/2019 07:00 - 19:00 5 days

Film Dates 10/14/2019 - 10/18/2019 19:00 - 06:00 5 days

Strike Dates 10/18/2019 - 10/20/2019 07:00 - 19:00

Open or Closed to the Public Closed

Generic Conditions **THE CONSUMPTION OF ALCOHOLIC BEVERAGES AND THE USE OF DRUGS, INCLUDING MARIJUANA, ON LOCATION BY ANY CAST, CREW, OR INVITED GUESTS IS STRICTLY PROHIBITED.**

All travel lanes and bike lanes shall be closed per the WATCH manual.

Community Survey Obtained

Must Maintain 5' Clearance on Sidewalks/Walkways

Must maintain local/emergency access

No cast or crew parking on area streets

Notify LAPD Central Division (213) 486-6606 and comm. (213) 978-6552 1/2 hour prior to any gunfire, brandishing weapons, special effects or simulated emergency or criminal activity.

Number of uniformed officers listed on the permit is a minimum requirement. Permittee remains responsible for deploying a sufficient number of uniformed officers to provide traffic and crowd control to ensure the safety of the film crew and the public.

Traffic Officers Required

Uniformed officers shall have a copy of the film permit in their possession and are required to confirm that all traffic control signage devices are in place.

Please see attached FF9.pdf

documents 4th St (Bridge closure) btwn Merrick & Gless St - FF9 (Rev 1).pdf

4th St btwn Anderson & Mateo BS Curb - FF9 (Rev 5).pdf

Arts District Guidelines Revised April 29 2009.pdf

Equipment on Location	Type	Quantity	Personnel on Location	Type	Quantity
	5 or 10 ton trucks	4		Cast	5
	Cast/Crew vehicles	20		Crew	100
	Catering Truck	1		Extras	50
	Condors	3		Off-Duty/Retired LAPD Officer(s)	4
	Cube Trucks	3			
	Generator	1			
	Picture vehicles	20			
	Semi Trucks	2			
	Stakebed Trucks	5			
	Vans	4			

Filming Activities Drive by; Drive ups & away; Equipment on sidewalk & street; Equipment on sidewalk, in curb lane



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& across street; Exterior Dialogue; Intermittent pedestrian control; Intermittent traffic control - 2 minutes standard; Near hits & misses; Precision driving (within or below posted speed limit only); Wetdown; 10/14 is a shoot/rehearsal day ; Set Dressing and Covering up graffiti on E 4th Street Bridge and E 4th Pl. ; simulated crash and rollovers, smoke fx, camera crane, 3 condors; Additional Prep - 10/12 7A-8P and 10/13 6A - 2:30P;

Jurisdiction Political: Los Angeles City - Council District 14

Police: Los Angeles Police Department **Fire:** Los Angeles City

Thomas Guide Page: 634

Grid: H5

Approvals LOS ANGELES CITY DEPARTMENT OF TRANSPORTATION - Yulizza Ramirez
 CLOSURES
 LOS ANGELES CITY POLICE DEPARTMENT Gabriel Martinez
 LOS ANGELES CITY DEPARTMENT OF PUBLIC WORKS- Kevin James
 COMMISSIONER
 LOS ANGELES CITY DEPARTMENT OF TRANSPORTATION - Karina Chaki
 SIGN & METER REMOVAL
 FILMLA. CLOSURES Yulizza Ramirez

Parking **Base Camp** 516 S Anderson St., Los Angeles, CA, 90033
 Location Type :
 Other Location

Crew Parking 777 S Alameda St, Los Angeles, CA, 90021
 Location Type :
 Other Location

Posting "No Parking" signs B/S 4TH ST (AUXILARY ROAD, NORTH SIDE, EAST OF LA RIVER) FROM S ANDERSON ST TO S MISSION RD
 B/S 4TH ST (AUXILARY ROAD, SOUTH SIDE, EAST OF LA RIVER) FROM S ANDERSON ST TO S MISSION RD
 W/S S MISSION RD FROM BOYD ST TO WILLOW ST
 B/S E 4TH PLACE FROM MATEO ST TO 4TH ST BRIDGE
 B/S 4TH ST FROM ALAMEDA ST TO CLARENCE ST
 B/S S SANTA FE AVE FROM MATEO ST TO PALMETTO ST
 B/S ANDERSON FROM 4TH ST TO 6TH ST
 B/S 6TH ST FROM ANDERSON ST TO CLARENCE ST
 B/S MERRICK FROM 4TH TO TRACTION
 B/S MOLINO FROM 4TH ST TO 4TH PL
 B/S MATEO FROM PALMETTO TO E 4TH STREET
 E/S S SANTA FE AVE FROM MATEO 300 FEET NORTH

Approximate Footage more than 1800

Log Number 258422

Date(s) 10/14/2019 to 10/18/2019

Time(s) 00:00 to 00:00

Posting "No Parking" signs B/S OF MERRICK FROM 4TH TO TRACTION
 B/S OF MOLINO FROM 4TH ST TO 4TH PL

Approximate Footage 1201 - 1500

Log Number 258426

Date(s) 10/14/2019 to 10/18/2019

Time(s) 00:00 to 00:00

Posting "No Parking" signs B/S OF E 4TH PL FROM MATEO TO MOLINO

Approximate Footage 601 - 900

Log Number 258427

Date(s) 10/14/2019 to 10/18/2019

Time(s) 00:00 to 00:00

Posting "No Parking" signs B/S E 4TH PL FROM MATEO STREET TO E 4TH STREET



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Approximate Footage 901 - 1200**Log Number** 258113**Date(s)** 10/12/2019 to 10/13/2019**Time(s)** 00:00 to 00:00**Posting "No Parking" signs** B/S E 4TH PL FROM MATEO STREET TO E 4TH STREET**Approximate Footage** 301 - 600**Log Number** 258428**Date(s)** 10/19/2019 to 10/20/2019**Time(s)** 00:00 to 00:00**Lane / Full Closure** FULL CLOSURE E 4TH ST. FROM MERRICK ST. TO S GLESS
(NON CONTINUOUS)**Approximate Footage** more than 1800**Date(s)** 10/14/2019 to 10/18/2019**Time(s)** 20:00 to 06:00**Lane / Full Closure** CURB LANE CLOSURE -E/B AND W/B 4TH STREET BRIDGE - MATEO TO ANDERSON**Approximate Footage** 601 - 900**Date(s)** 10/12/2019 to 10/12/2019**Time(s)** 07:00 to 20:00**Lane / Full Closure** CURB LANE CLOSURE -E/B AND W/B 4TH STREET BRIDGE - MATEO TO ANDERSON**Approximate Footage** 0 - 300**Date(s)** 10/19/2019 to 10/20/2019**Time(s)** 07:00 to 19:00**Lane / Full Closure** CURB LANE CLOSURE -E/B AND W/B 4TH STREET BRIDGE - MATEO TO ANDERSON**Approximate Footage** 0 - 300**Date(s)** 10/13/2019 to 10/13/2019**Time(s)** 06:00 to 14:30**Lane / Full Closure** CURB LANE CLOSURE -E/B AND W/B 4TH STREET BRIDGE - MATEO TO ANDERSON**Approximate Footage** 601 - 900**Date(s)** 10/14/2019 to 10/14/2019**Time(s)** 09:00 to 15:00



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Production Title FF9

Location Manager Boyd Wilson
Primary Phone Mobile - 310-254-5598
Secondary Phone

This location has been CANCELED

Location Address N Broadway between S Ave 18 and Solano Ave, Los Angeles, CA, 90012

Location Type Street

Prep Dates 10/14/2019 - 10/15/2019 07:00 - 19:00 2 days

Film Dates 10/16/2019 - 10/18/2019 05:00 - 01:00 3 days

Strike Dates 10/19/2019 - 10/21/2019 07:00 - 19:00

Open or Closed to the Public Closed

Equipment on Location	Type	Quantity	Personnel on Location	Type	Quantity
	5 or 10 ton trucks	4		Cast	5
	Cast/Crew vehicles	20		Crew	55
	Catering Truck	1		Extras	10
	Cube Trucks	3			
	Generator	1			
	Picture vehicles	10			
	Semi Trucks	2			
	Stakebed Trucks	5			
	Vans	4			

Filming Activities Drive ups & away; Equipment on sidewalk, in curb lane & across street; Exterior Dialogue; Exterior establishing shots; Intermittent pedestrian control; Intermittent traffic control - 2 minutes standard; PLEASE TERMINATE THIS LOCATION ;

Parking **Base Camp**
Location Type : To Be Determined

Crew Parking
Location Type : To Be Determined

Posting "No Parking" signs B/S OF BROADWAY FROM S AVE 18 TO SOLANO AVE

Approximate Footage County Parking

Log Number

Date(s) 10/14/2019 to 10/21/2019

Time(s) 00:00 to 00:00



UAS QUESTIONNAIRE

(FOR MORE THAN 2 LOCATIONS, PLEASE USE AN ADDITIONAL FORM)

FilmL.A. Permit #:

Film Date: October 15, 16, 17 2019 Production Title: Fast & Furious 9
 Production Company: FF9 Productions LLC Hours of UAS Activity: _____
 Location Address: 4th Street Bridge, Downtown Los Angeles Hours of UAS Activity: Nighttime hours
 Location Address #2: _____
 UAS Company Name: Astraeus Aerial, LLC

UAS ON LOCATION INFORMATION

UAS Make & Model: Freefly Alta 8 UAS "N" # or registration #: FA3LC9AKFA
 UAS Make & Model: Freefly Alta 8 UAS "N" # or registration #: FA3R9A4FAX
 Class of Airspace that activity will occur in: ☐ B ☐ C ☐ D ☐ E ☒ G

REMINDER: IF YOU ARE FLYING IN CLASS B, C, D, OR E AIRSPACE, ATC AUTHORIZATION IS REQUIRED FOR ALL UAS ACTIVITY.

UAS PILOT WILL BE OPERATING UNDER: ☐ 333 EXEMPTION ☒ PART 107

333 EXEMPTION REQUIREMENTS

Name of Pilot in Command: _____ Pilot's Phone #: _____
 Name of Visual Observer: _____ Visual Observer's Phone #: _____

PLEASE PROVIDE THE FOLLOWING:

- Copy of COA or Blanket COA
- Copy of Pilot's License
- Copy of POA with proof of submission to local FSDO

PART 107 REQUIREMENTS

Name of Remote Pilot: Corey Gineris Certificate #: 3927618
 Remote Pilot Phone #: 562-686-3839 Visual Observer: ☒ YES ☐ NO

PLEASE PROVIDE THE FOLLOWING:

- Copy of Remote Pilot's Certificate
- Description of Planned Operations
- Copy of UAS Registration Certificate for each UAS listed above

WAIVERS

If you are requesting any of the following activity, please check all that apply and furnish proof of waiver from the FAA upon submission of this document to FilmL.A.

☐ Flight over non-participants (§107.39) ☐ Flight altitude restrictions (§107.51) ☒ Night Flight (§107.29)
☐ Operating from a moving vehicle (§107.25) ☐ Operating multiple small UAS' (§107.35)

FILMLA. USE ONLY

333 EXEMPTION

☐ INSURANCE ☐ PILOT'S LICENSE
☐ COA ☐ POA
☐ 315 TO LAFD ☐ VISUAL OBSERVER

PART 107 CERTIFICATE

☐ INSURANCE ☐ WAIVERS
☐ 315 TO LAFD ☐ DESCRIPTION OF OPS.
☐ REMOTE PILOT CERTIFICATE ☐ ATC COORDINATOR NOTE
☐ UAS REGISTRATION CERTIFICATE(S)

ASTRAEUS

AERIAL CINEMA SYSTEM

PLAN OF ACTIVITY

For Part 107 sUAS Image-Capture Operations

Prepared By: Hal Winer – Director of Operations Phone: 914-523-6044

PRODUCTION, EPISODE/NUMBER: Fast & Furious 9					
PRODUCTION COMPANY, CONTACT: FF9 Productions LLC, Danika Kohler - Production Supervisor (O) 818-733-2502					
DATES AND TIMES OF OPERATION: October 15-17, Nighttime hours.					
MAKE, MODEL, AND REGISTRATION NUMBER OF UAS(S) TO BE USED: Freefly Alta 8, FA3LC9AKFA (A) & FA3R9A4FAX (B) (Primary & Backup)					
REMOTE PILOT(S): Corey Gineris, Remote Pilot certificate #3927618					
VISUAL OBSERVER/ON-SCENE FLIGHT CREW CONTACT: Travis Samson (206) 604-2212					
LOCATION 1: 4 th Street & Bridge – Downtown Los Angeles – bridge +1 block on either side of bridge		LOCATION 2:		LOCATION 3:	
LAT/LONG: Ctr Point 34°02'29.7"N 118°13'43.2"W	OPS RADIUS: 1 NM	LAT/LONG:	OPS RADIUS:	LAT/LONG:	OPS RADIUS:
ELEVATION:	ALTITUDES: Surface to 400'AGL	ELEVATION:	ALTITUDES:	ELEVATION:	ALTITUDES:
NEAREST AIRPORT: Burbank		NEAREST AIRPORT:		NEAREST AIRPORT:	

ASTRAEUS

AERIAL CINEMA SYSTEM

AIRSPACE:

B ☐ C ☐ D ☐ E ☐ G ☒

AIRSPACE AUTHORIZATION (Part 107.41):

None required ☒ Number:

CERTIFICATE OF WAIVER

None required ☐ Number: 107W-2016-00601D, attached

PROHIBITED OR RESTRICTED AIRSPACE

No ☒ Authorized by:

Contact info:

DESCRIPTION OF TERRAIN (boundaries, natural barriers, critical/sensitive features):

Urban industrial area, low bridge over LA river. Concrete riverbed and structures, overhead wires. Commercial buildings.

LOCATION MANAGER, CONTACT INFO:

Joe Bettencourt - Key Asst Loc Mngr
781.706.2831

OWNER OR SITE REPRESENTATIVE:**DESCRIPTION OF SHOTS/SHOT LIST:**

Overhead and tracking shots of vehicles on and around 4th Street Bridge.

ASTRAEUS

AERIAL CINEMA SYSTEM

SAFETY AND SECURITY PLAN:

This filming location will be closed to non-participants, and UAS operations will take place within a safety perimeter controlled by production and security personnel, with appropriate road closures and/or ITC. Flight operations will be suspended immediately if non-participants enter the safety perimeter, or if any other condition jeopardizes safety of flight. As specified in Part 107.39: operations will only take place over people if they are "located under a covered structure" or inside a "vehicle that can provide reasonable protection from a falling small unmanned aircraft."

Class ABC fire extinguishers will be available at all times.

Per the standard established in Astraeus Aerial's Section 333 *Motion Picture and Television Operations Manual*, flight crew will maintain the following:

- Non-essential production personnel will remain a minimum of 100' from flight operations.
- Essential production personnel MAY be permitted less than 100' from flight operations, upon acknowledgement of the risks involved, and only at the discretion of the Flight Crew.

PRIOR TO UAS OPERATIONS, FLIGHT CREW MUST BRIEF ALL PERSONNEL WHO WILL BE ON SET.

COMMUNICATIONS:

Voice: between PIC and Visual Observer

Radio, Primary Channel: duplex radio intercom used as necessary by Astraeus Aerial personnel

Radio, Secondary Channel: per production

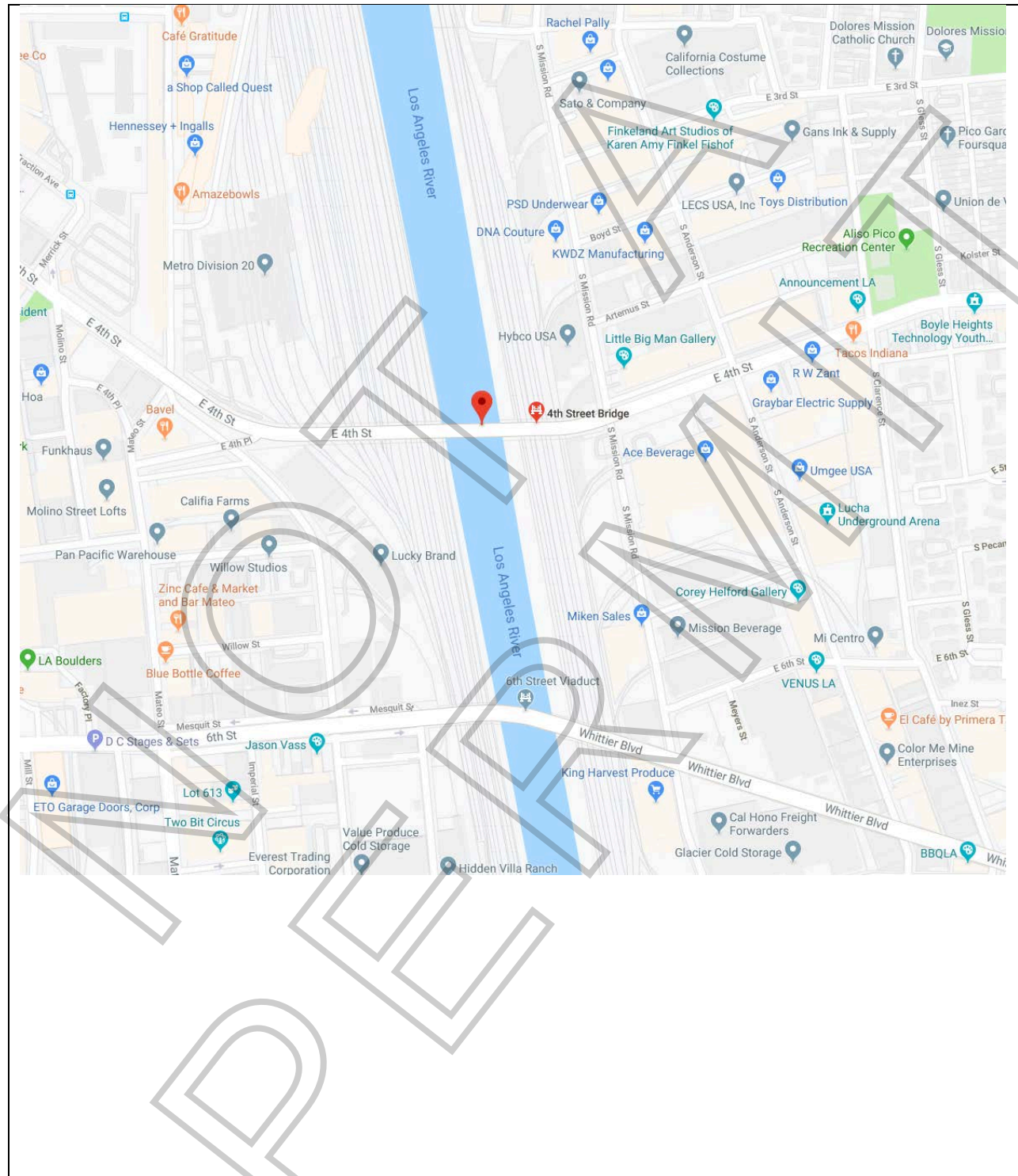
PERSON RESPONSIBLE FOR SAFETY PERIMETER:

1st AD - STEWART HAMILTON ish2@mac.com 310/743-3956

ASTRAEUS

AERIAL CINEMA SYSTEM

LOCATION MAPS / DIAGRAMS



ASTRAEUS
AERIAL CINEMA SYSTEM

LOCATION MAPS / DIAGRAMS



Small UAS Certificate of Registration

Name: Astraeus Aerial LLC

Manufacturer: Freefly

Model: Alta 8

Serial Number: 709915

Certificate Number: FA3LC9AKFA

Issued: 07/27/2018 Expires: 07/27/2021

A



For U.S. citizens, permanent residents, and certain non-citizen U.S. corporations, this document constitutes a Certificate of Registration. For all others, this document represents a recognition of ownership.

For all holders, for all operations other than as a model aircraft under sec. 336 of Pub. L. 112-95, additional safety authority from FAA and economic authority from DOT may be required.

This Small UAS Certificate of Registration is not an authorization to conduct flight operations with an unmanned aircraft. Operations must be conducted in accordance with the applicable FAA requirements. The operator of the aircraft is responsible for knowing and understanding what those requirements are. For more information on flying for non-model purposes, please visit the FAA website at www.faa.gov/uas

Alta A - AAA08A



**Federal Aviation
Administration**

Small UAS Certificate of Registration

Name: Astraeus Aerial LLC

Manufacturer: Freefly

Model: Alta 8

Serial Number: 447474

Certificate Number: FA3R9A4FAX

Issued: 08/14/2018 Expires: 08/14/2021

B



For U.S. citizens, permanent residents, and certain non-citizen U.S. corporations, this document constitutes a Certificate of Registration. For all others, this document represents a recognition of ownership.

For all holders, for all operations other than as a model aircraft under sec. 336 of Pub. L. 112-95, additional safety authority from FAA and economic authority from DOT may be required.

This Small UAS Certificate of Registration is not an authorization to conduct flight operations with an unmanned aircraft. Operations must be conducted in accordance with the applicable FAA requirements. The operator of the aircraft is responsible for knowing and understanding what those requirements are. For more information on flying for non-model purposes, please visit the FAA website at www.faa.gov/uas

Alta B - AAA08B



**Federal Aviation
Administration**

UNITED STATES OF AMERICA

XI

DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION



IV NAME

COREY MICHAEL GINERIS

V ADDRESS 29660 MAMMOTH LN
SANTA CLARITA CA 91387-6232

VI NATIONALITY USA

SEX HEIGHT WEIGHT HAIR EYES
M 69 185 BROWN BROWN

IVa D.O.B. 16 AUG 1994

IX HAS BEEN FOUND TO BE PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

II REMOTE PILOT

III CERTIFICATE NUMBER

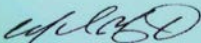
3927618

X DATE OF ISSUE

11 OCT 2016

XIV

VIII


ADMINISTRATOR

U

A

S

Certificate of Achievement

This is to certify that

Corey Michael Gineris

***has successfully completed the
FAA Safety Team Aviation Learning Center Online Course***

Part 107 Small Unmanned Aircraft Systems (Small Uas) Recurrent

Course Number ALC-515

Presented by Online Courses

January 11, 2019



**Federal Aviation
Administration**

Certificate Number 0854640-20190111-00515

Valerie G. Palazzolo

Valerie G Palazzolo, National Manager, FAA Safety Team



Cut out the small certificate above and keep with your airman certificate. You should keep the remainder of this sheet in a safe place in case you lose your certificate above.

Your Name

Your faasafety.gov Registered Username

Course Completed

Course Completion Date

Course Completion Certificate Number

Corey Michael Gineris

coreygineris@gmail.com

Part 107 Small Unmanned Aircraft Systems
(Small Uas) Recurrent

January 11, 2019

0854640-20190111-00515

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

CERTIFICATE OF WAIVER OR AUTHORIZATION

ISSUED TO

Astraeus Aerial
Responsible Person: David Wagreich
Waiver Number: 107W-2016-00601D

ADDRESS –

2708 Wilshire Blvd., Ste. 383
Santa Monica, CA 90403

This certificate is issued for the operations specifically described hereinafter. No person shall conduct any operation pursuant to the authority of this certificate except in accordance with the standard and special provisions contained in this certificate, and such other requirements of the Federal Aviation Regulations not specifically waived by this certificate.

OPERATIONS AUTHORIZED

Night small Unmanned Aircraft System (sUAS) operations, first person view in lieu of visual line of sight operations by the remote pilot in command, and operating more than one sUAS at the same time.

LIST OF WAIVED REGULATIONS BY SECTION AND TITLE

14 CFR § 107.29 Daylight operation
14 CFR § 107.31 Visual line of sight operations
14 CFR § 107.35 Operation of multiple small unmanned aircraft

STANDARD PROVISIONS

1. A copy of the application made for this certificate shall be attached to and become a part hereof.
2. This certificate shall be presented for inspection upon the request of any authorized representative of the Administrator of the Federal Aviation Administration, or of any State or municipal official charged with the duty of enforcing local laws or regulations.
3. The holder of this certificate shall be responsible for the strict observance of the terms and provisions contained herein.
4. This certificate is nontransferable.

NOTE—This certificate constitutes a waiver of those Federal rules or regulations specifically referred to above. It does not constitute a waiver of any State law or local ordinance.

SPECIAL PROVISIONS

Special Provisions Nos. 1 to 24, inclusive, are set forth on the attached pages.

This Certificate of Waiver is effective from January 05, 2017 to August 31, 2021 and is subject to cancellation at any time upon notice by the Administrator or an authorized representative.

BY DIRECTION OF THE ADMINISTRATOR

General Aviation and Commercial Division, AFS-800

**SPECIAL PROVISIONS ISSUED TO
Astraeus Aerial**

General.

This Certificate of Waiver is an amendment which supersedes and replaces Waiver 107W-2016-00601C issued to Astraeus Aerial for operations under 14 CFR 107. Waivers 107W-2017-00901C, 107W-2016-00601B, 107W-2016-00601A, and 107W-2016-00601 are no longer valid.

The FAA's Flight Standards Service has reviewed your application to ensure compliance with the requirements of 14 CFR § 107.200. The Administrator finds that the proposed sUAS operation can be conducted safely under the provisions of this Certificate of Waiver (Waiver) as listed below, because you have established adequate mitigations for risks involved with operating your sUAS in the manner you described. Adherence to the provisions of this Waiver establishes the required level of safety within the national airspace system.

This Waiver may be canceled at any time by the Administrator, the person authorized to grant the Waiver, or the representative designated to monitor a specific operation. As a general rule, this Waiver may be canceled when it is no longer required, there is an abuse of its provisions, or when unforeseen safety factors develop. Failure to comply with any provision listed below is a violation of the terms of this Waiver and may serve as justification for cancellation.

List of Regulations Waived by Section and Title. The following regulations are waived:

14 CFR § 107.29, Daylight operation, is waived to allow sUAS operations during night.

14 CFR § 107.31, Visual line of sight aircraft operation is waived to the extent necessary to allow the remote pilot in command (PIC) to operate the small unmanned aircraft (sUA) with first person view (FPV), in lieu of visual line of sight, while a second remote pilot, who holds a valid remote pilot certificate under part 107, acts as Visual Observer (VO), and exercises the ability to see the sUA throughout the entire flight.

14 CFR § 107.35 Operation of multiple small unmanned aircraft.

Common Provisions. The Responsible Person is directly responsible for safety of operations conducted under this Waiver and will ensure the remote PIC, manipulator of the controls, and VO complies with all provisions of this Waiver.

1. The Responsible Person listed on the Waiver is responsible to the FAA for the safe conduct of the operations. Prior to conducting operations that are the subject of this Waiver, the responsible person:
 - a. Must ensure the remote PIC, manipulators of the controls, and VO are informed on the terms and provisions of this waiver and the strict observance of the terms and provisions herein;
 - b. Must ensure the remote PIC, manipulators of the controls, and VO are informed and familiar with part 107 regulations not waived; and
 - c. The above must be documented and must be presented for inspection upon request from the Administrator or an authorized representative.

2. This Waiver must not be combined with any other waiver(s), authorizations(s), or exemption(s) without specific authorization from the FAA;
3. The FAA has the authority to cancel or delay any or all flight operations if the safety of persons or property on the ground or in the air, are in jeopardy or there is a violation of the terms of this Waiver;
4. Operations under this Waiver are to be conducted in Class G airspace only unless specific airspace authorization or Waiver is received from the FAA in accordance with § 107.41;
5. A copy of this Waiver must be available during sUAS operations that are the subject of this Waiver;
6. The Responsible Person listed on this Waiver must maintain a current list of pilots by name and remote pilot certificate number used in the Waiver holder's operations. This list must be presented for inspection upon request from the Administrator or an authorized representative;
7. The Responsible Person listed on this Waiver must maintain a current list of small unmanned aircraft (sUA) by registration number(s) used in the Waiver holder's operations. This list must be presented for inspection upon request from the Administrator or an authorized representative;
8. All operations under this Waiver must use one or more VO;

Night sUAS Operations Special Provisions. sUAS operations may be conducted at night, as defined in 14 CFR § 1.1, provided:

9. As described in the Waiver application, the remote PIC and VO must be trained, to recognize and overcome visual illusions caused by darkness, and understand physiological conditions which may degrade night vision prior to conducting operations that are the subject of this Waiver. This training must be documented and must be presented for inspection upon request from the Administrator or an authorized representative;
10. The area of operation must be sufficiently illuminated to allow both the remote PIC and VO to identify people or obstacles on the ground, or the remote PIC and VO must conduct a daytime site assessment prior to conducting operations that are the subject of this Waiver, noting any hazards or obstructions;
11. The sUA must be equipped with lighted anti-collision lighting visible from a distance of no less than 3 statute miles. The intensity of the anti-collision lighting may be reduced if, because of operating conditions, it would be in the interest of safety to do so;

Visual Line of Sight Operations Special Provisions. sUAS operations may be conducted with the remote pilot in command using FPV, in lieu of visual line of sight, provided:

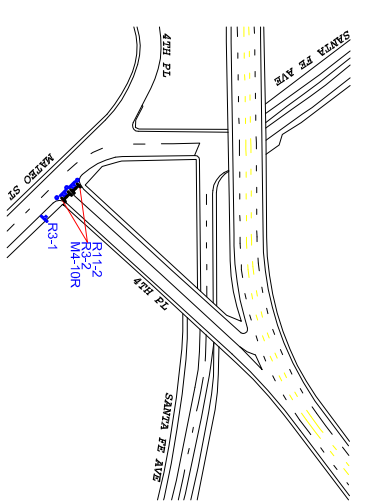
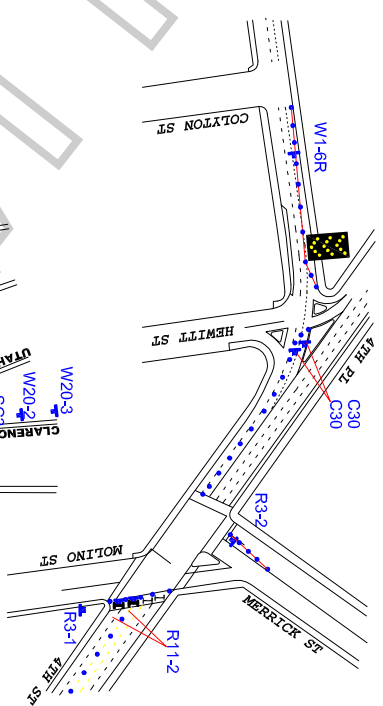
12. At all times, at least one person who holds a remote pilot certificate under part 107 must maintain visual line of sight (VLOS) of the sUA in order to (1) know the sUA's location, (2) determine the sUA's attitude, altitude and direction of flight, (3) observe the airspace for other air traffic or hazards and (4) determine that the sUA does not endanger the life or property of another. The remote pilot maintaining VLOS may act as a required VO while the remote PIC, located within the base station vehicle, uses FPV while manipulating the controls, in lieu of VLOS, to operate the sUA;
13. Communication between the remote PIC and the remote pilot maintaining VLOS, acting as a VO, must allow for the remote PIC to maneuver the sUA with sufficient time to perform necessary maneuvers to avoid other aircraft in accordance with § 107.37, or react to any unforeseen operational or mechanical failure;
14. As described in the waiver application, operations that are the subject of this Waiver must remain within VLOS of the remote pilot, acting as VO, at all times while the remote PIC, located within the base station vehicle, uses FPV while manipulating the controls, in lieu of VLOS, to operate the sUA;
15. As described in the waiver application, prior to and during operations that are the subject of this Waiver, the "override" feature of the sUA must operate properly so that the remote pilot, acting as VO, has continuous control and override capability of the sUA while the remote PIC operates the sUA using FPV;
16. As described in the waiver application, prior to conducting operations that are the subject of this Waiver, the remote PIC and the remote pilot acting as VO must maintain continuous full-duplex voice communication;
17. As described in the waiver application, the remote PIC must fulfill the requirements of § 107.15(a) for all components of the sUAS;
18. All sUA operations conducted in accordance with this Waiver must comply with the manufacturer User Manual, including recommendations and limitations;

Operation of Multiple sUAS Special Provisions. sUAS operations with multiple sUA may be conducted, provided:

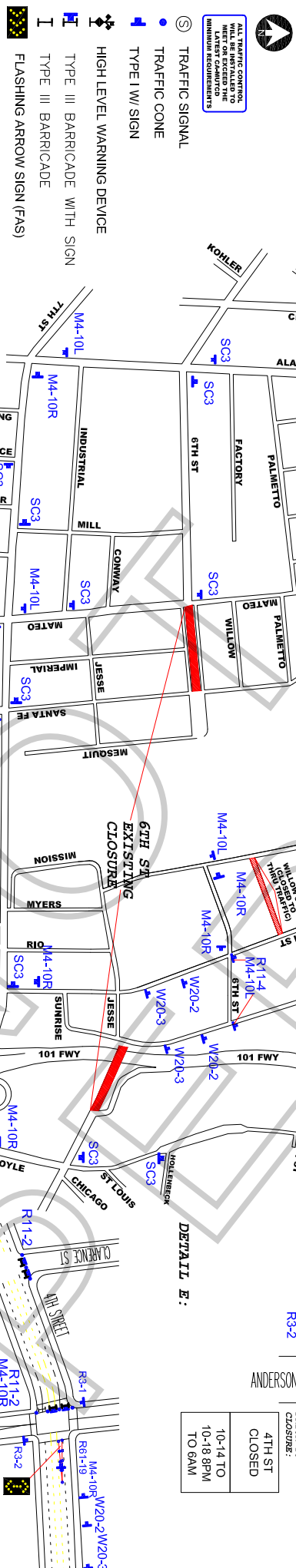
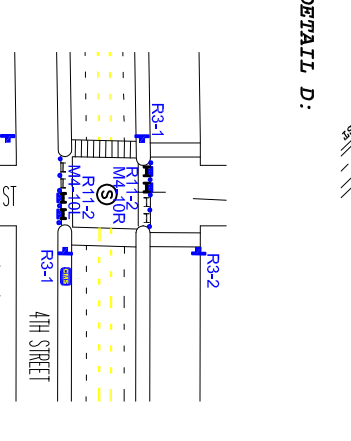
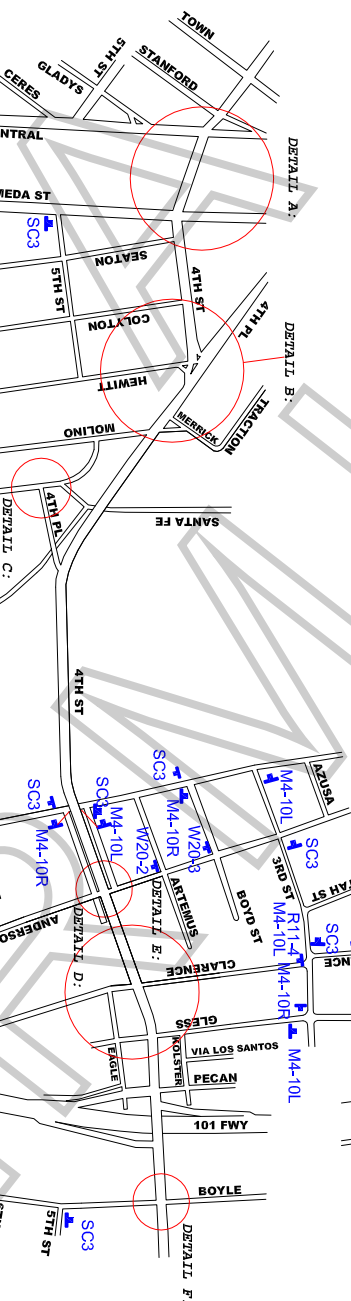
19. Prior to conducting operations that are the subject of this Waiver, operational area obstacles and boundaries must be identified so as to avoid collision with, or damage to property;
20. An individual system failure must not interfere with the operation of any other sUA or cause incidents, accidents, or loss of control involving any other sUA that are subject to this Waiver;

21. As described in the waiver application, operations are only permitted within a location closed to the general public, with a secured perimeter;
22. As described in the waiver application, operations using multiple sUA are limited to not more than 6 sUA at a time and will not exceed 30 knots groundspeed (35 mph);
23. As described in the waiver application, prior to conducting operations that are the subject of this Waiver, the flight controller and the associated flight control system capability for each aircraft, operate properly; and
24. Not less than 24 hours prior to conducting operations that are the subject of this Waiver, a Notice to Airmen (NOTAM) must be filed. The NOTAM must include location, altitude, and/or operating area, time and nature of the activity, and number of sUA flying in the operating area.

DETAIL C:



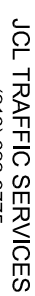
DETAIL D.



WORK ZONE TRAFFIC CONTROL PLAN GENERAL NOTES

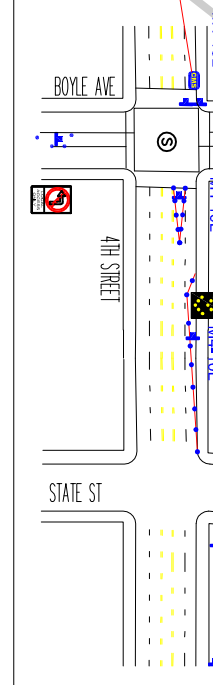
1. DATE/TIME: 10-14-19 TO 10-18-19 FROM 20:00 HOURS TO 06:00 HOURS.

1



DATE	REVISIONS	DRAFTER: WARD MENVAR
		SCALE: N.T.S.
		FILM LA: YR

2. ALL SIGNING, STRIPING, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE (CURRENT) STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND STANDARD SPECIFICATIONS, CALIFORNIA MUTCD, AND ANY ADDENDUMS THERETO, AND AS SHOWN ON THESE PLANS. SYMBOLS AND ABBREVIATIONS USED ARE SHOWN ON CALTRANS STANDARD PLANS.
3. THERE WILL BE NO INTERFERENCE WITH TRAFFIC SIGNALS OR CROSSWALKS.
4. CONES WILL BE 28" MINIMUM HEIGHT AND HAVE REFLECTORIZED SLEEVES FOR NIGHT WORK.
5. POLICE WILL DIRECT TRAFFIC IF NECESSARY.





W20-1

W20-5

W1-6 (L)

C30(CA)

W4-2(RT)

TRAFFIC SIGNAL

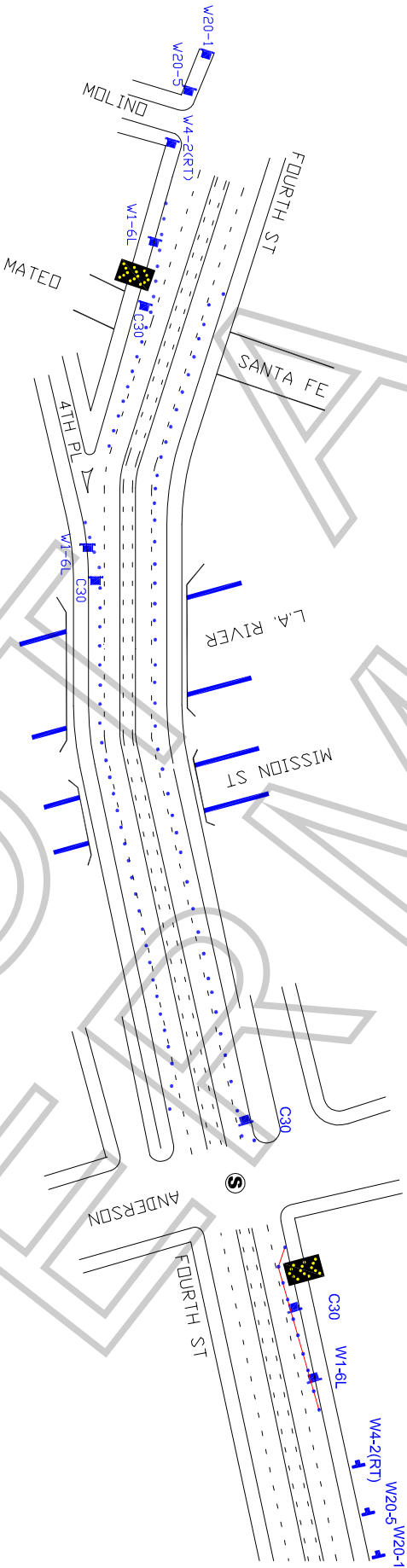
TRAFFIC CONE

TYPE 1 W/ SIGN

FLASHING ARROW SIGN (FAS)

1. DATE/TIME: 10-12-19 FROM 07:00 HOURS TO 20:00 HOURS.
10-13-19 FROM 06:00 HOURS TO 14:30 HOURS.
10-14-19 FROM 09:00 HOURS TO 15:00 HOURS.
10-19-19 & 10-20-19 FROM 07:00 HOURS TO 19:00 HOURS.
2. ALL SIGNING, STRIPING, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE (CURRENT) STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND STANDARD SPECIFICATIONS, CALIFORNIA MUTCD, AND ANY ADDENDUMS THERETO, AND AS SHOWN ON THESE PLANS. SYMBOLS AND ABBREVIATIONS USED ARE SHOWN ON CALTRANS STANDARD PLANS.
3. THERE WILL BE NO INTERFERENCE WITH TRAFFIC SIGNALS OR CROSSWALKS.
4. CONES WILL BE 28" MINIMUM HEIGHT AND HAVE REFLECTORIZED SLEEVES FOR NIGHT WORK.
5. POLICE WILL DIRECT TRAFFIC IF NECESSARY.

WORK ZONE TRAFFIC CONTROL PLAN
GENERAL NOTES



ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED TO THE MUTCD AND MATCH MINIMUM REQUIREMENTS

TOP FOR:		UNIVERSAL: "FF9"	
LOCATION:		BOTH SIDES CURB OF 4TH STREET MOLINO TO ANDERSON CITY OF LOS ANGELES, CA	
CONTRACT:		BOYD WILSON PH# 310-254-5598 MIKE WEBSTER OFFICE# 323-579-1173	
DATE		10-19-19	
REVISIONS		HOUR CHANGE 10-10-19	
JCL TRAFFIC SERVICES (213) 622-9775 C31-CA Lic # 805357		DRAFTER: M. MENJUR SCALE: N.T.S. FILM L.A.: YR	

SPECIAL FILMING CONDITIONS THE ARTS DISTRICT

The Special Film Conditions described below will be included in the terms and conditions of permits issued for filming in this area and are in addition to the standard terms and conditions applicable to filming permits generally. While these Special Filming Conditions will be included as terms if a permit for filming in this area is issued, they are not intended to, and do not, establish the criteria or standards for determining whether or not a particular permit(s) will be issued for this area. The decision whether or not a particular permit(s) will be issued is vested in the discretion of the appropriate City or County department or their designees (including FilmL.A.), to be exercised consistent with public health, safety and general welfare, and applicable land-use ordinances.

This is a mixed-use area that includes manufacturing facilities, warehouses, artists/artisans and residents. These Special Conditions apply to the area roughly between 1st Street and 7th Street and between Alameda Avenue and the LA River. Within the past ten years, this area has experienced an influx of permanent residents into what was predominantly a light to heavy manufacturing zone for over 75 years.

The motion picture industry has amicably co-existed with the businesses and residents of this area for decades and desires to continue to do so. These Conditions are designed to promote cooperation between film companies, local businesses and residents so that each group can effectively utilize this diverse area. Violation of any of the conditions as outlined below may result in permit revocation or other administrative action.

- Affected residents/merchants and businesses must be notified at least two days in advance of the first day of filming or the first day of any substantial set preparation for productions that:
 - o Request parking restrictions on the following public streets: Traction Avenue, East 2nd Street (except Alameda Street to Garey Street), East 3rd Street, Vignes Street, Molino Street (Palmetto Street to 4th Street only)
 - o Request a street closure
 - o Involve any special effects, gunfire, audible playback, helicopter activity, or other disruptive activities
 - o FilmL.A. or the production company shall consult a designated community representative when an applicant requests a permit with less than two days notice under the above circumstances
- Posting on more than one side of Traction Avenue, East 2nd Street (except Alameda to Garey), East 3rd Street (except Vignes to Santa Fe), Vignes Street, Molino from 4th Street to Palmetto, Hewitt from Palmetto to 4th Street, 4th Street from Colyton to Molino requires a notification to a designated person in the building where alternate parking is not provided. Posting on both sides of the above streets is allowed without signatures on Sundays.
- When "No Parking" signs are posted on both sides of Hewitt between 4th Street and Traction Avenue, Art Share (213-687-4278) and Bedlam (213-909-1512) must be notified.
- Posting for equipment and/or picture, other than the streets listed above, will be reviewed on a street by street basis and may not exceed 450 linear feet. Additional posting may be granted if there is a majority of support from affected residents/businesses/merchants, and indicated on the permit. After filming is completed, companies are requested, as a courtesy (only LADOT is to touch the posting signs), to turn all "No Parking" signs around so that they face the opposite direction.

- Companies must provide adequate detour and directional signage when street closures are in place, conforming as much as possible to current LADOT standards and practices. Detour routes must accommodate large, semi and tractor trailer trucks.
- The Arts District is home to many art gallery openings and live, local theater. When the following locations are directly impacted, notification is required if in conflict with a scheduled event at the Downtown Playhouse (929 E. 2nd Street 213-626-6909) and Art Share LA (801 E. 4th Place 213-687-4278).
- Productions filming near residential buildings after midnight or before 6:00am are required to notify designated representatives of the proposed activity. Contact information for building representatives will be made available on request from the community filming liaison (Jonathan Jerald 213-814-7164).
- Crew with walkie-talkies must wear headsets when filming after 12:00 am and before 6:00 am.
- Changeable Message Signs (CMS) will be required on the day(s) of filming activity that requires a full closure on the 1st, 4th and 6th Street Bridges. CalTrans/LADOT approved notification signs are sufficient and must be in place in advance of filming activity and must include the dates and times of closures.
- Cast/Crew are not permitted to park on the area streets. Off-street parking must be provided for personal vehicles.
- Generators are to be placed as far away from residential buildings as possible. Placement will be considered on a case-by-case basis.
- Production companies are required to completely remove all trash, food, cardboard boxes, etc. from the general vicinity at the end of each filming day. Production companies will be held responsible for the actions of the catering companies they employ to provide food for the cast and crew.
- Food should not be given directly to the homeless persons in the area. Production companies wishing to help the homeless should do so through one of the service providers in the downtown area.
- FilmL.A will monitor frequency and look for ways to mitigate the impacts of filming prior to placing a location off limits.
- Unless a signature survey is completed, the west side of Mateo Street between 4th Place and Palmetto Street must be kept clear of equipment, vehicles, condors and lights. This area, however, may be used for camera placement between the hours of 7:00 am and 10:00 pm only.
- When filming take place after 10:00 pm or before 7:00 am, generators are to be placed as far as possible away from residential buildings and lights are to be screened to avoid disturbing nearby residents.
- The Molino Loft buildings (500 and 530 Molino Street) and Marc Free should be notified (310-871-2652) for filming activity or parking restrictions along 4th Place between Molino and Mateo [the curve].

- Due to the mixed use nature of the neighborhood, productions wishing to utilize space along the west side of Santa Fe Ave. between 2nd and 3rd Streets and the north side of 3rd Street from Santa Fe Avenue to west 100 feet must obtain a signature from Valerie Mitchell or designated representative (213-687-3987).
- Frequent filming in the area of Vignes and 2nd Streets along with the high demand for parking in the area requires that posted "No Parking" on Vignes Street between 1st Street and 2nd Street shall be limited to no more than 200 feet, unless alternate parking or notification are provided to a designated representative from the building.
- The area near 3rd and Traction Avenue is home to many small businesses that have greatly helped to develop the area. In order to be sensitive to these businesses it is necessary for production companies to obtain signatures from the following businesses when there are filming activities or parking on the 700 block of 3rd Street between Traction Avenue and Hewitt Street: Zip Fusion- Jason Ha (744 E. 3rd Street, 213-680-3770); Lakich Studio-Lily Lakich (704 Traction Avenue, 213-620-8641); Ay Carrumba (714 Traction Avenue, 213-620-0274); Wurstkuche Sausage Grill- Joseph Petruzulli (800 E 3rd St, 213-667-4444); Blue Dahlia (738 E 3rd St, 213 613-0621)
- Outdoor food preparation using charcoal or gas grills must be at least 100 feet away from any residential building.